

## Appendix Test Data

Report No.:	18220WC30258701	Test Sample No.:	1-2-2
Start Test Date:	2023.12.08	Finish Test Date:	2023.12.11
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.8°C	Relative Humidity:	45%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.628	2401.652	2402.280	0.5	PASS
		2440	0.660	2439.636	2440.296	0.5	PASS
		2480	0.672	2479.620	2480.292	0.5	PASS

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## Test Graphs



BLE\_1M\_Ant1\_2480

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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.1119	2401.4079	2402.5198
		2440	1.1060	2439.4086	2440.5146
		2480	1.1188	2479.3961	2480.5149

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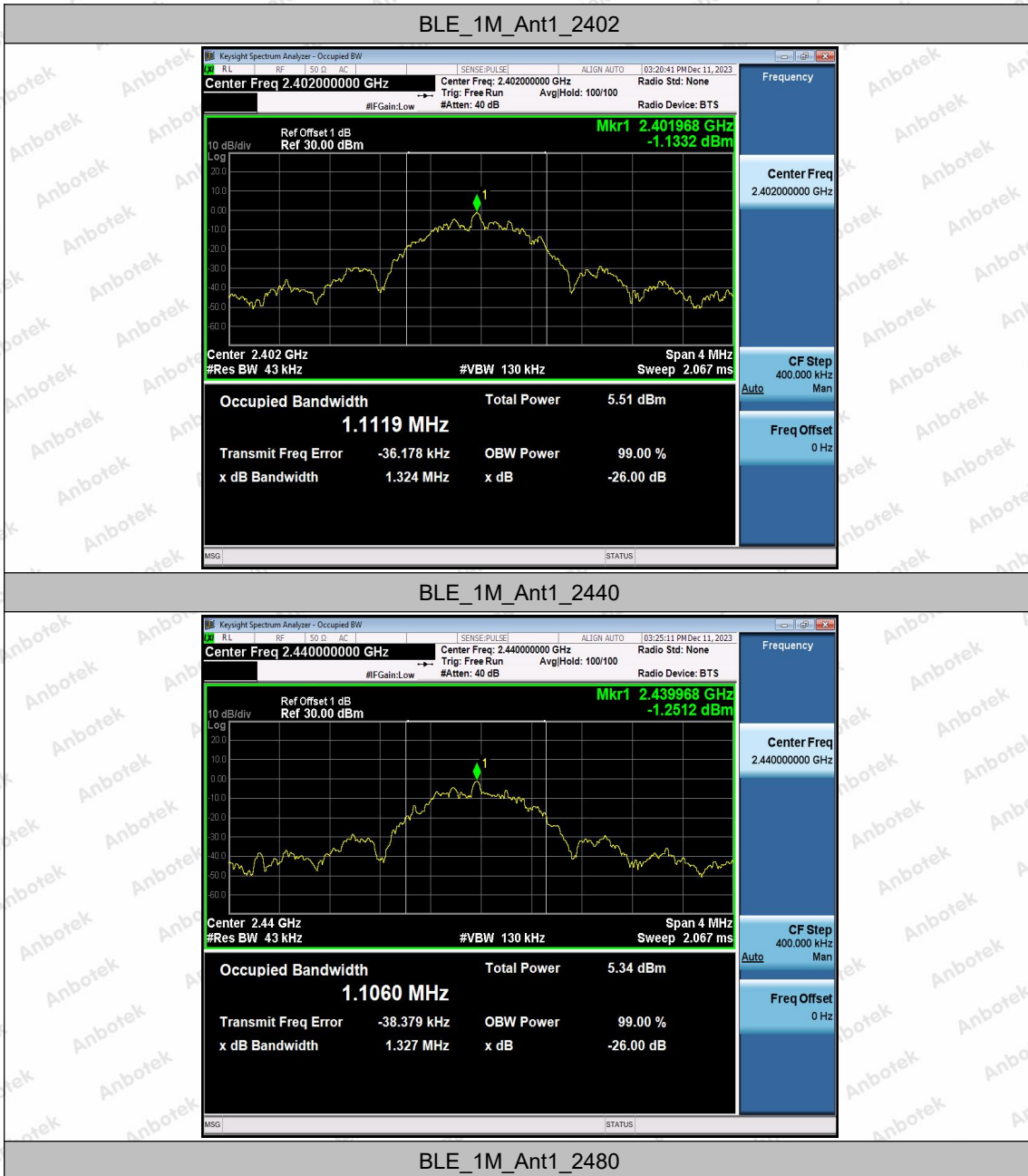
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## Test Graphs



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## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.90	≤30	PASS
		2440	-1.17	≤30	PASS
		2480	-1.34	≤30	PASS

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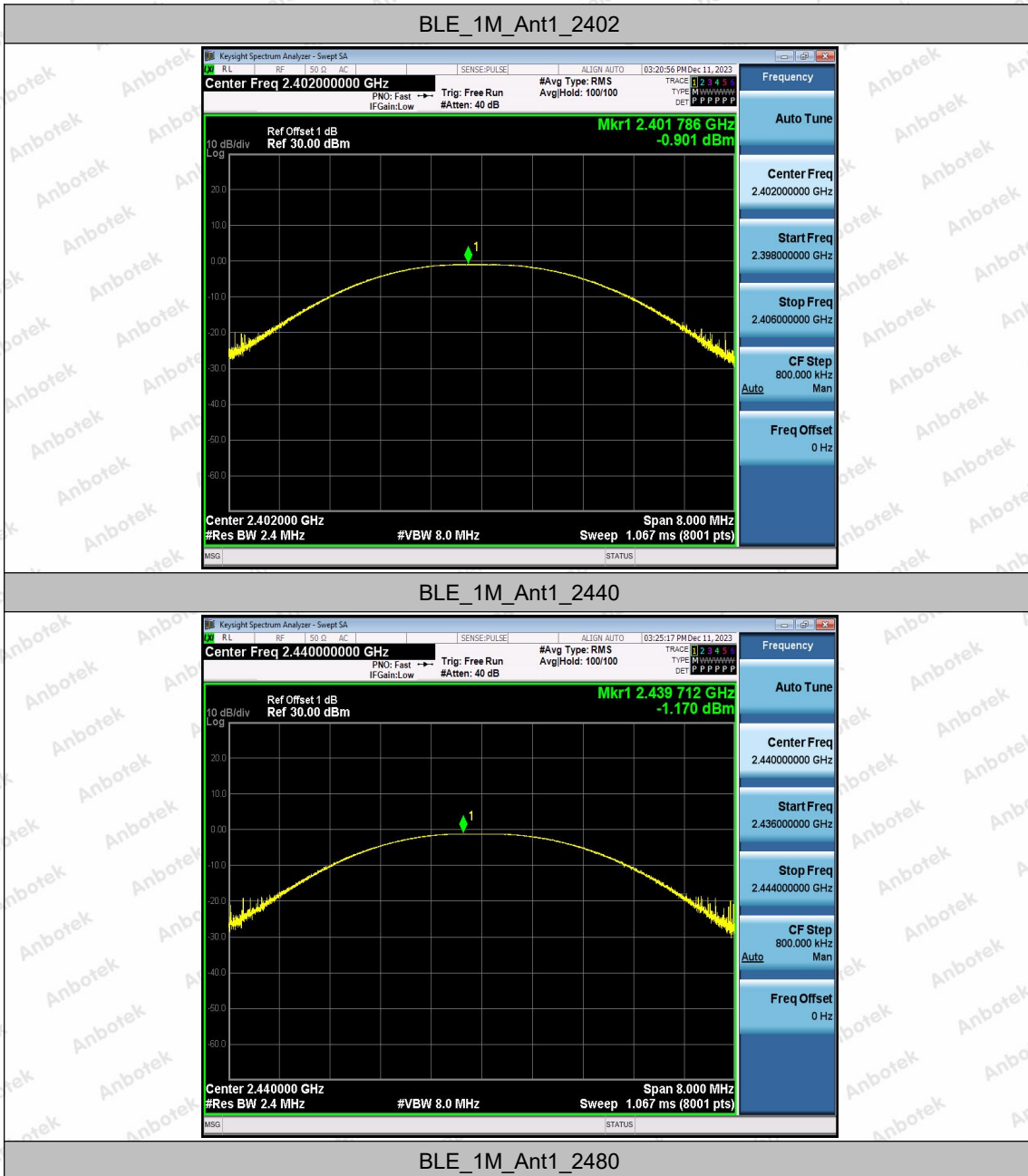
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## Test Graphs Peak



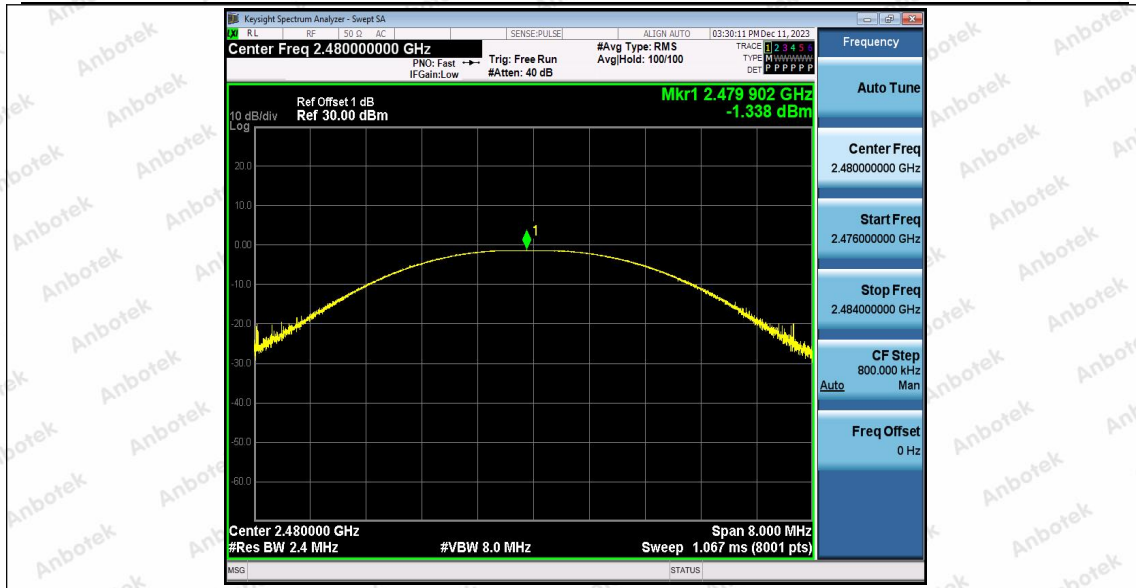
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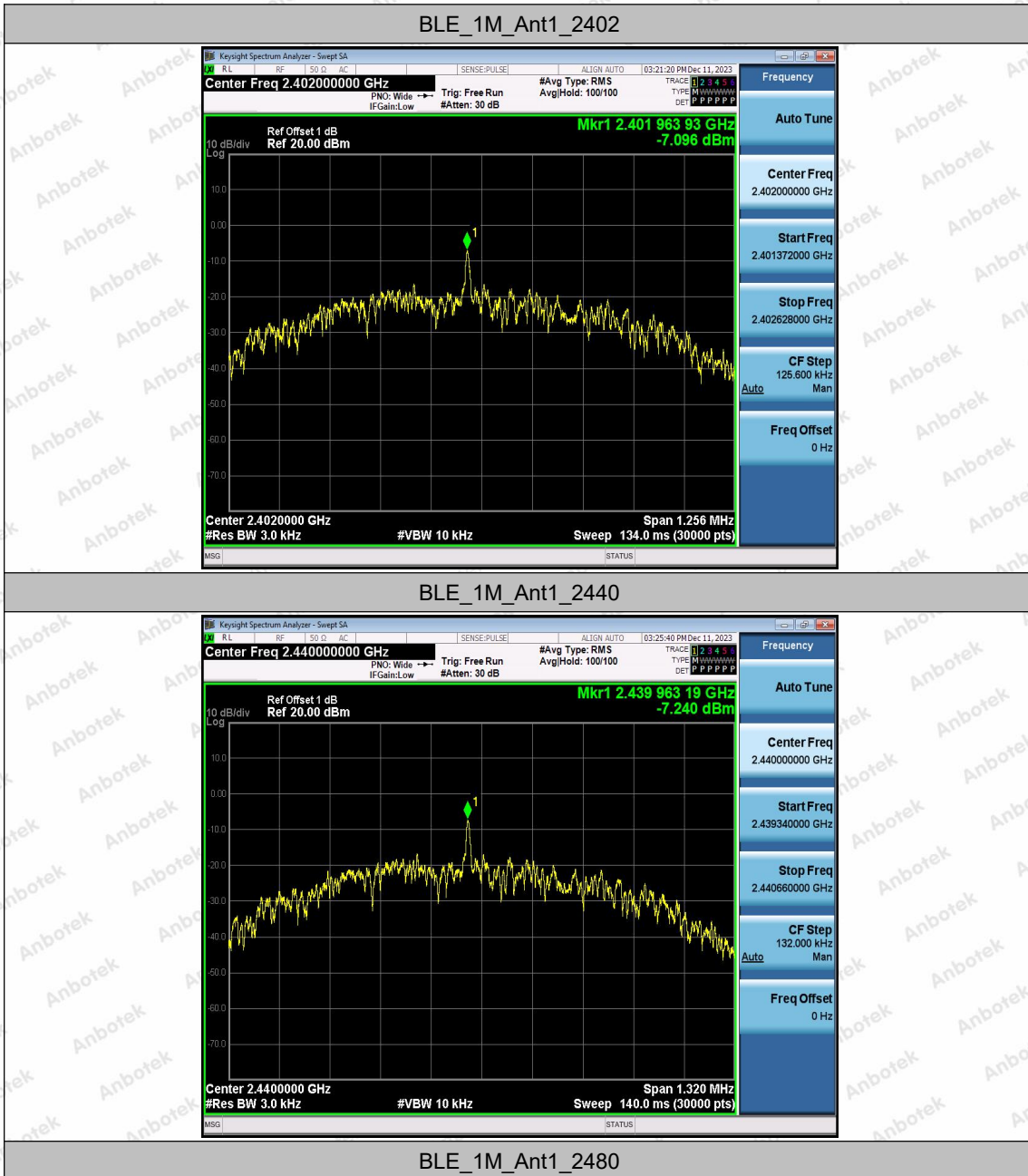
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.1	≤8.00	PASS
		2440	-7.24	≤8.00	PASS
		2480	-7.45	≤8.00	PASS



## Test Graphs



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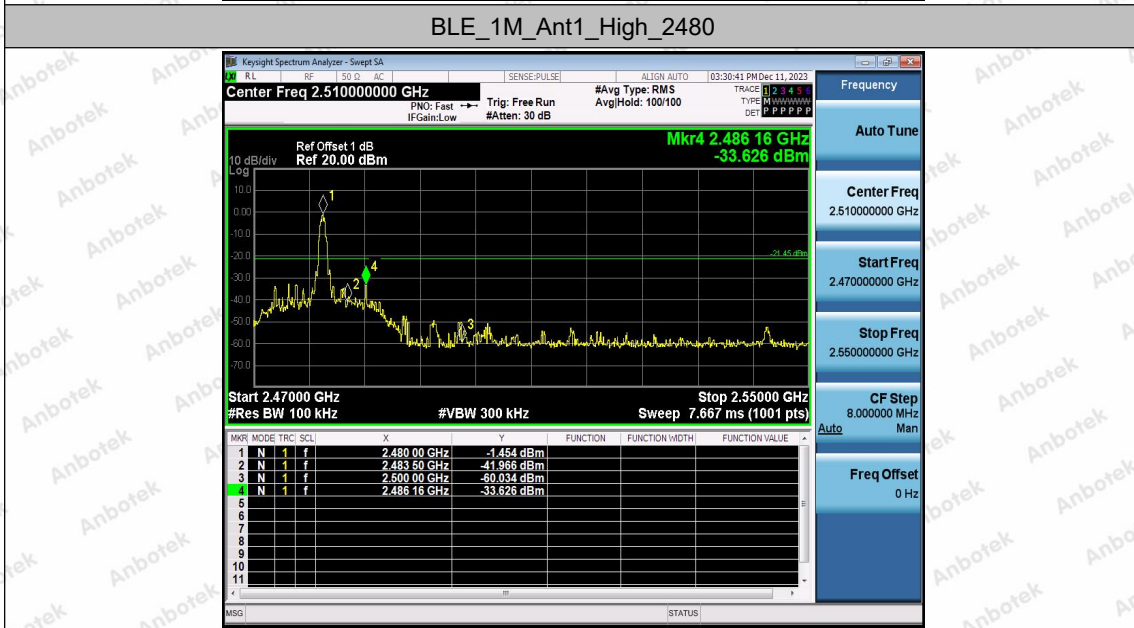
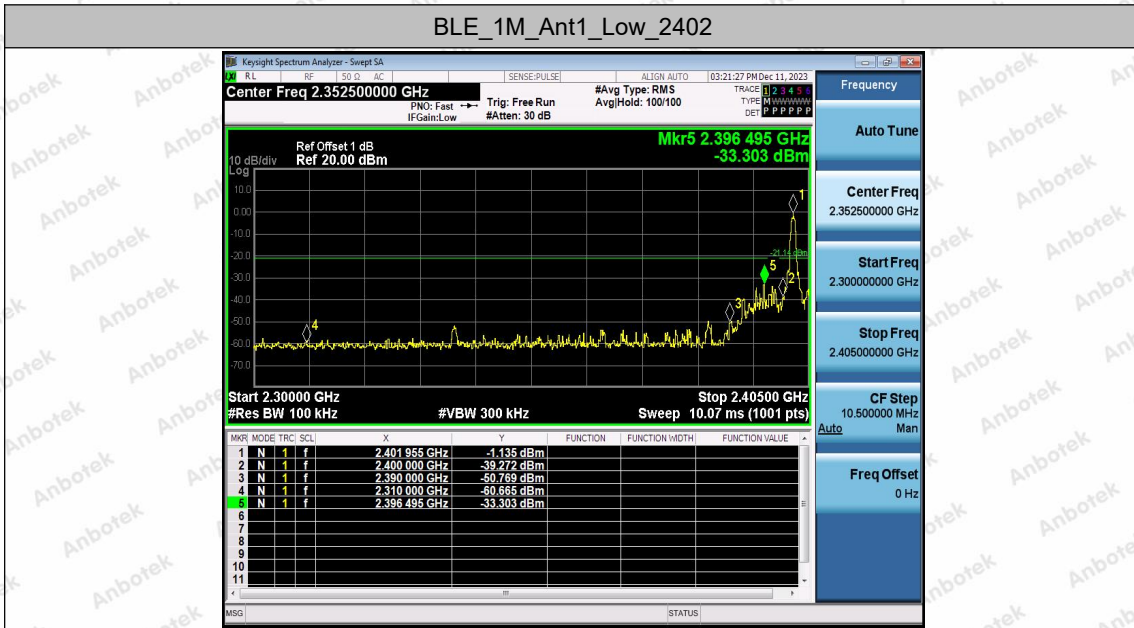
## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.14	-33.3	≤-21.14	PASS
		High	2480	-1.45	-33.63	≤-21.45	PASS



## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.99	-0.99	---	PASS
			30~1000	-0.99	-60	≤-20.99	PASS
			1000~26500	-0.99	-53.36	≤-20.99	PASS
		2440	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-60.54	≤-21.25	PASS
			1000~26500	-1.25	-52.68	≤-21.25	PASS
		2480	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-60.45	≤-21.42	PASS
			1000~26500	-1.42	-53.3	≤-21.42	PASS

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## Test Graphs



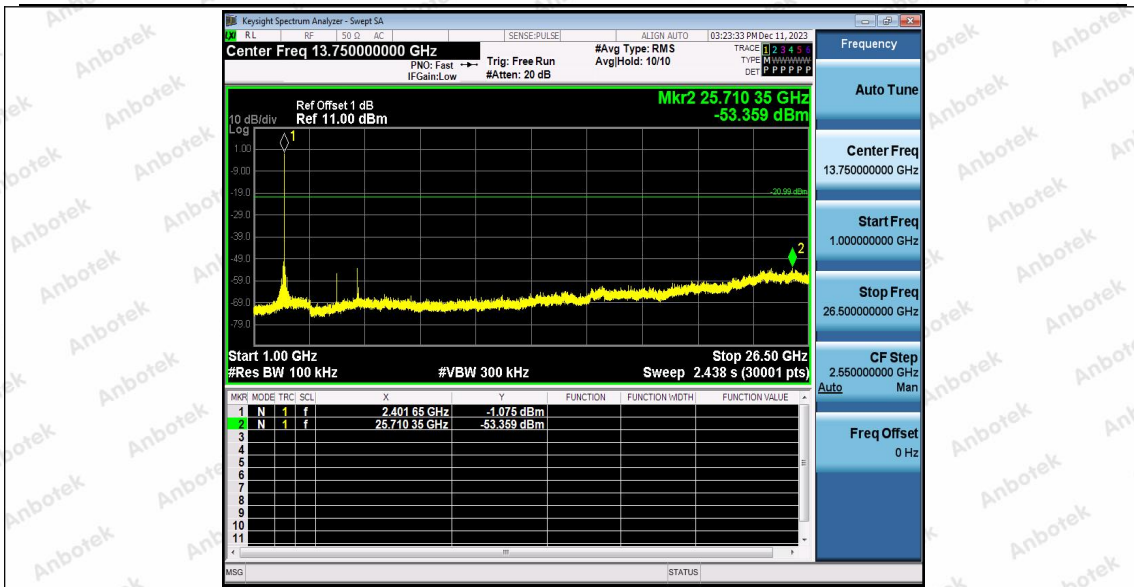
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BLE\_1M\_Ant1\_2440\_0~Reference



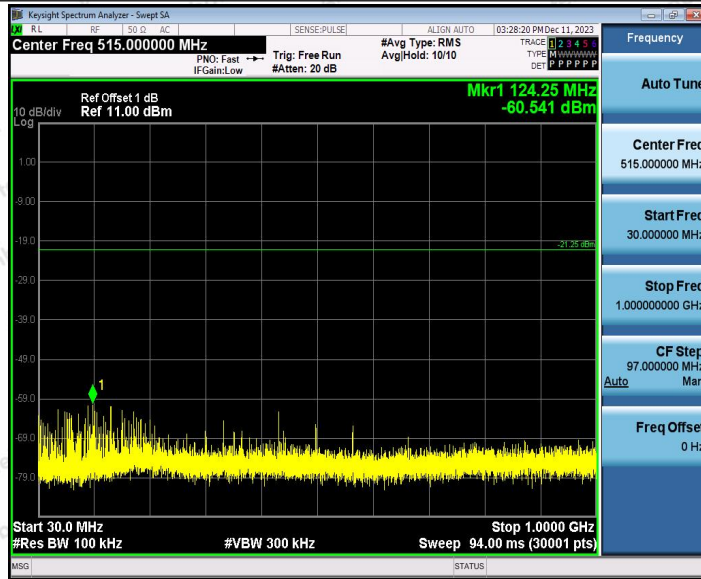
BLE\_1M\_Ant1\_2440\_30~1000

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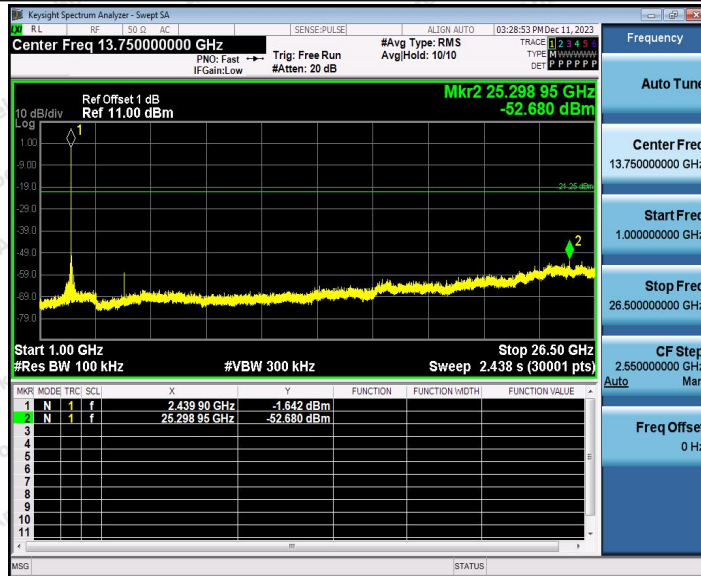
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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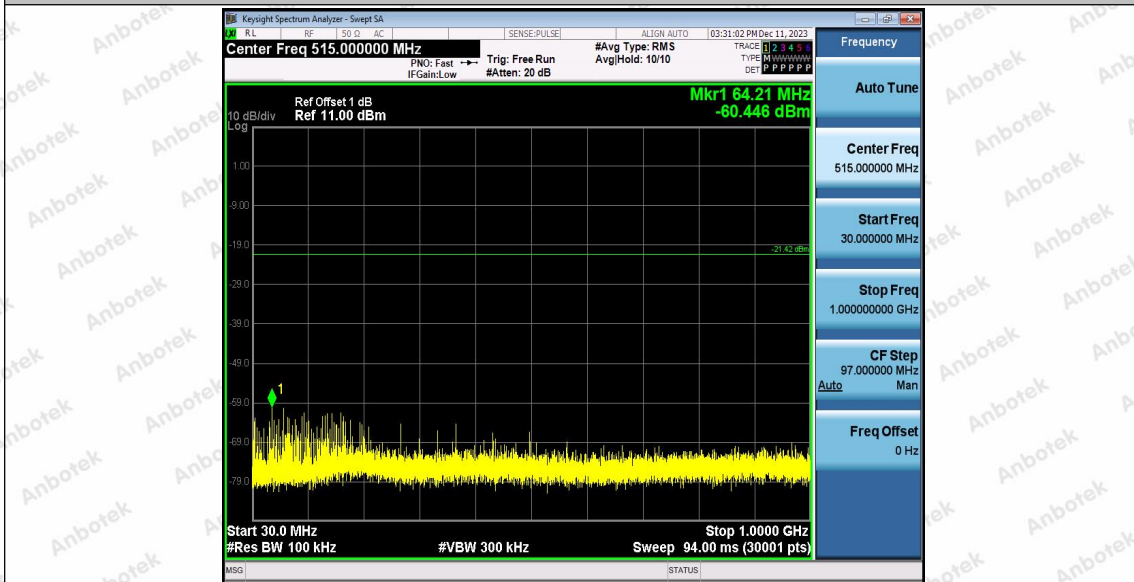
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BLE\_1M\_Ant1\_2480\_30~1000



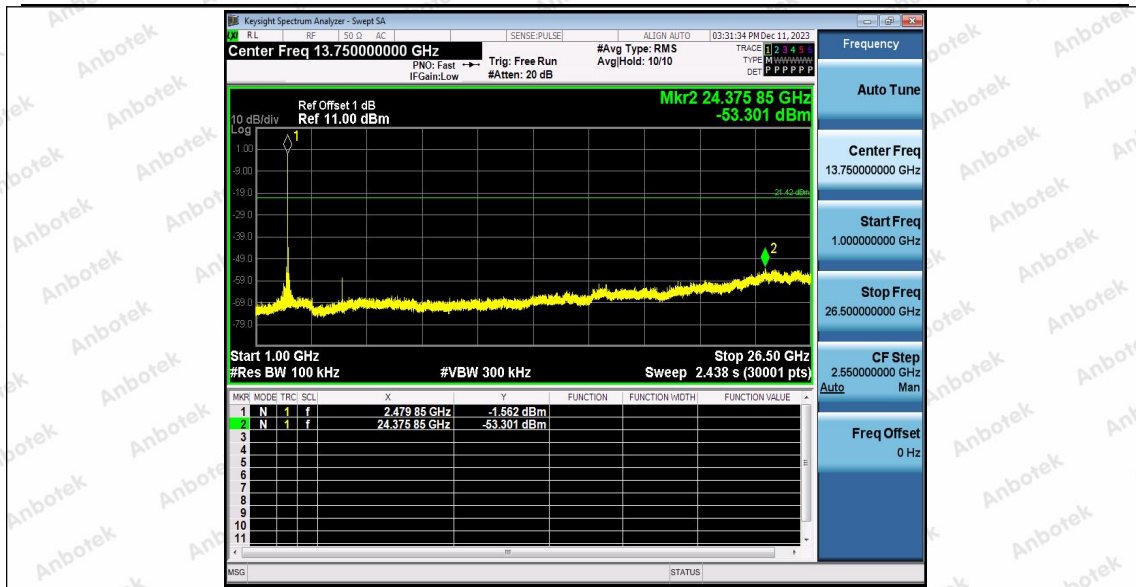
BLE\_1M\_Ant1\_2480\_1000~26500

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## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.45	1.87	24.06	6.19
		2440	0.45	1.87	24.06	6.19
		2480	0.46	2.58	17.83	7.49

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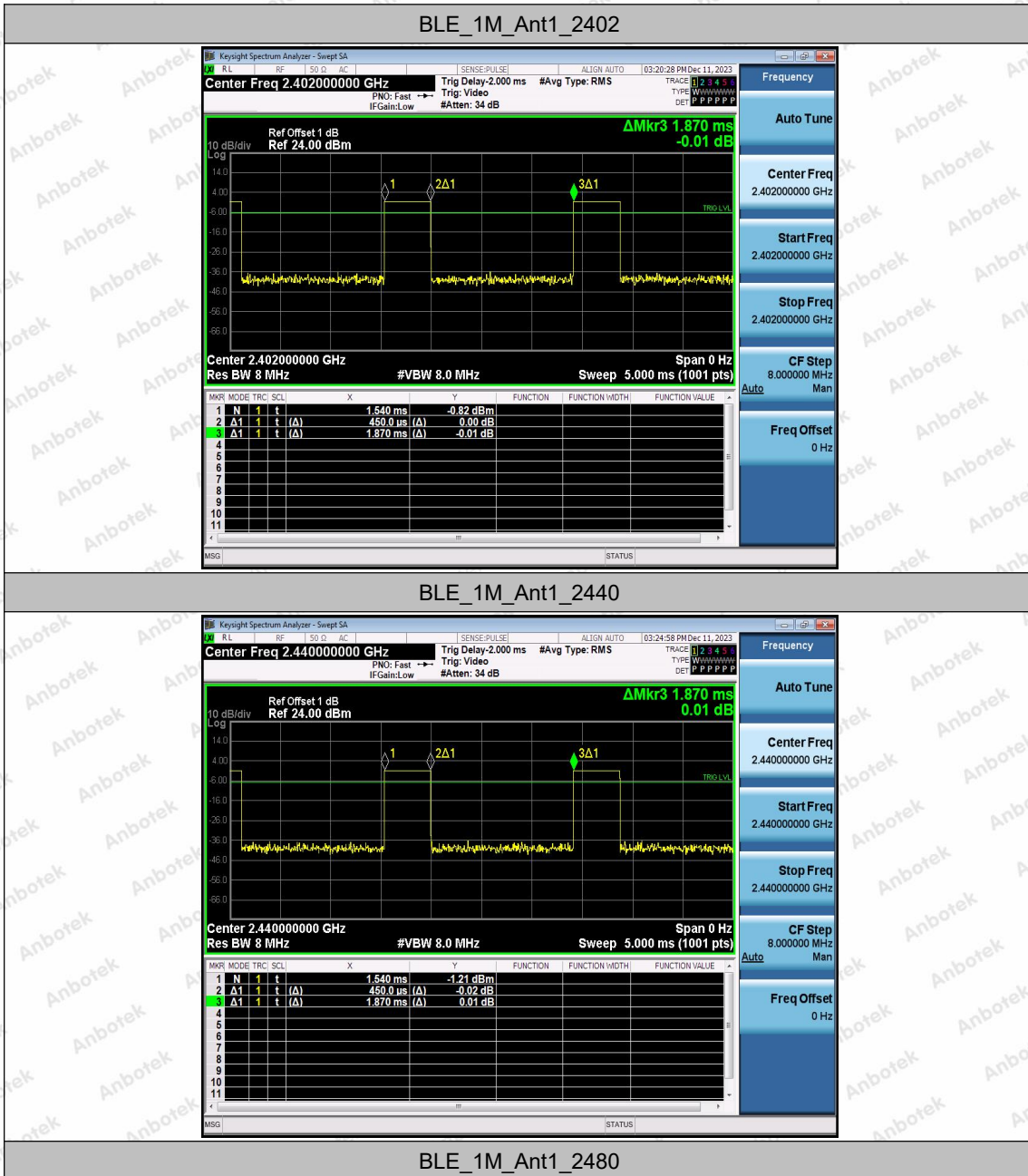
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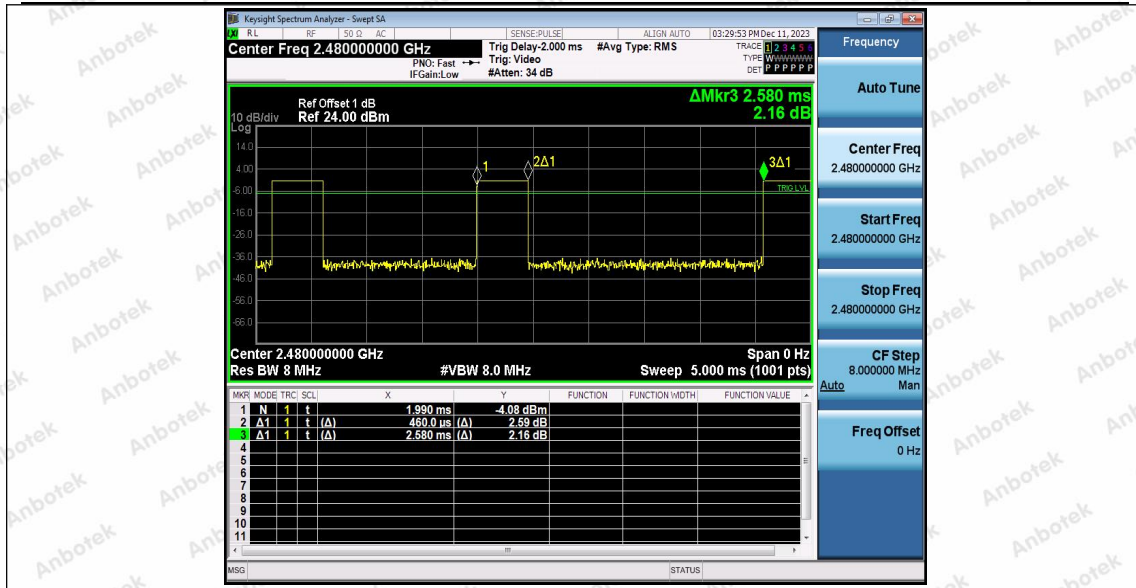


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